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Cont'd

electrode. This is achieved in an advantageous manner when the measuring electrode is circular and the reference electrode is led around the measuring gas chamber, which is circular as well. In addition, the internal resistance of this sensor element's concentration cell exhibits an easily-evaluated temperature dependence, which can be used to control the temperature of the sensor element.--.

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Please replace the paragraph beginning on page 3, line 14, with the following:

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--In another exemplary embodiment, the measuring and pump electrodes, which are usually arranged separately in the measuring gas chamber, are advantageously combined into one electrode. This allows one layer plane to be dispensed with, and further simplifies the sensor design.--.

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**IN THE CLAIMS:**

Without prejudice, please amend the claims as follows:

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24. (Amended) A sensor element for determining a concentration of gas components in gas mixtures, comprising:

a measuring gas chamber;

at least one pump cell which pumps oxygen at least one of into and out of the measuring gas chamber;

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at least one concentration cell including at least one reference electrode and a measuring electrode, the at least one reference electrode interacting with the measuring electrode, the measuring gas chamber and the reference gas channel being situated in a same layer plane;

a reference gas channel, the at least one reference electrode being arranged in the reference gas channel, the reference gas channel providing the at least one reference electrode contact with a reference gas intake; and

a partition arranged between the measuring gas chamber and the reference gas channel, the partition having a measuring-gas side and a reference-gas side, the partition including a base, the base formed from a ceramic paste applied to an adjacent solid electrolyte foil.

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